Contract No. R001-001
"Blue Flint Ethanol E85 Blending Facility"

Submitted by Blue Flint Ethanol LLC
Principal Investigator: Jeff Zueger

PARTICIPANTS

Sponsor	**Cost Share**
Blue Flint Ethanol LLC	$65,815
North Dakota Industrial Commission	$50,000
Total Project Cost	$115,815

Project Schedule – 5 months
Contract Date – September 5, 2008
Start Date – September 1, 2008
Completion Date – December 15, 2009

Project Deliverables:
Status Report: September 30, 2008 √
Final Report: December 15, 2008 √
Interim Follow-up Report – June 15, 2009
Final Follow-up Report– December 15, 2009

OBJECTIVE/STATEMENT OF WORK:

There is no consistent supplier of E85 (85% ethanol and 15% gasoline) to retail fuel outlets in North Dakota. This has caused issues with supply, price and quality. Blue Flint Ethanol (BFE) located in Underwood, North Dakota, through this grant application will install facilities that will allow for in line blending of E85 at their facility. BFE will, in turn, market the E85 as motor fuel to the retail fuel stations in the state with E85 pumping capacity and to potential retail fuel outlets. The applicant believes the consistent availability of an E85 product that is blended into the truck as opposed to splash or tank blended will grow retail market use of this product.

STATUS

Contract Executed.

September 30, 2008 status report received. Report states purchase orders written and contractors have been scheduled. Installation has begun with work scheduled through the end of October to be followed by testing.

December 15, 2008 status report received. Report states pump, piping and blending skid has been installed with the blending skid controls integrated into the existing load out skid controls providing a single load point for any blended product. Side stream blending allows the denaturant or unleaded gasoline to be blended or injected into the ethanol line just prior to it being loaded into the truck tanker creating a high quality blend of E85. Upon completion of the blend skid, pump, piping and electrical, the blend skid was programmed with the required three different blends of ethanols and calibrated to support those blends.